

**Notice of Allowability**

Application No.

10/050,429

Examiner

Tanh Q. Nguyen

Applicant(s)

HARARI ET AL.

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed July 25, 2006.
2. ☒ The allowed claim(s) is/are 52,57-62,69 and 80.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with the attorney for applicant, Gerald P. Parsons (Reg. No. 24,486) on September 11, 2006 to correct minor informalities, incorporate allowable subject matter to independent claims 69 and 80, cancel claims directed to non-elected inventions in order to put the application in condition for allowance.

The application has been amended as follows:

**Cancelled claims 51, 54, 56.**

**57. (Currently Amended) The method of ~~any one of claims 51, 52, 54 or 56~~ claim 52, wherein the non-volatile memory card includes a flash EEPROM array, and both the encoded user data and the decoding information are stored in the flash EEPROM array.**

**59. (Currently Amended) The method of ~~any one of claims 51, 52, 54 or 56~~ claim 52, wherein the encoding and storing occur when the memory card is electrically connected to a first host system, and wherein the reading and decoding occur when the memory card is electrically connected to a second host system.**

**62. (Currently Amended) The method of ~~any one of claims 51, 52, 54~~ or ~~56~~ claim 52, wherein at least one of the encoding and decoding are accomplished in a memory controller function included in a mother electronic card to which the memory card is removably connectable.**

**Cancelled claims 63-66, 68.**

**69. (Currently Amended) A non-volatile memory card, comprising:  
a flash EEPROM array,  
encoded user data stored in a first portion of the array, and  
data of information useful to decode the encoded user data stored in a  
second portion of the array,  
wherein the stored encoded user data includes encrypted user data, and  
wherein the information useful to decode the stored encoded user data includes a  
decryption algorithm,  
the encoded user data and the decoding information being read from the  
memory card, and the read encoded user data is decrypted with the read  
decoding information.**

**Cancelled claim 71-78.**

**80. (Currently Amended) A data storage system, comprising:  
a re-programmable non-volatile semiconductor memory,  
first data encrypted and stored in the memory,**

**second data stored in the memory of information useful to decrypt the first data,**

**a controller operably connected with the memory to decrypt the first data by use of the second data, and**

**a connector electrically connected with the controller in a manner to pass the decrypted first data therethrough and adapted for removable connection with different host devices,**

**wherein the information useful to decrypt the first data includes a decryption algorithm,**

**wherein the data storage system is formed in first and second cards that are removably connectable with each other through mating connectors, wherein the memory having the first and second data stored therein is located on the first card, and wherein the controller and host connector are located on the second card.**

**Cancelled claims 82-84.**

***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance:

The prior art, individually or in combination, does not teach storing encoded user data and decoding information that includes a decryption algorithm on a non-volatile memory card, with the encoded user data and the decoding information being read from

the memory card, and the read encoded user data is decrypted with the read decoding information.

The prior art, individually or in combination does not teach first encrypted data and decrypting information that includes a decryption algorithm being stored on a first card, and a controller in a second card decrypting the encrypted first data by use of the decrypting information.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

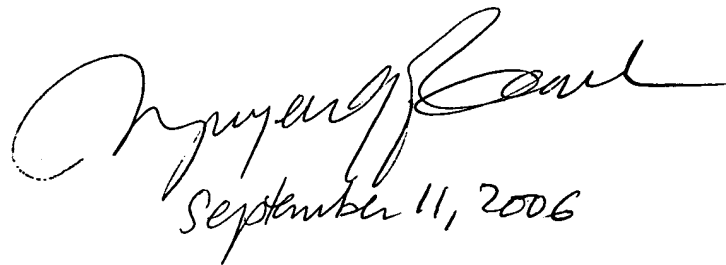
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Q. Nguyen whose telephone number is 571-272-4154. The examiner can normally be reached on M-F 9:30AM-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on 571-272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 2182

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



September 11, 2006